

King County DNRP Water Quality Index

STATION **PATTER 3** WATER YEAR **2018**

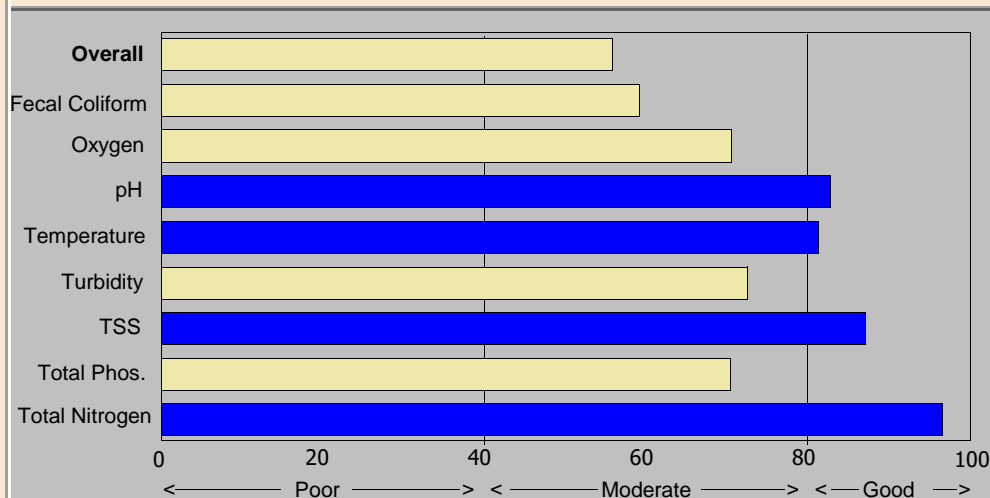
GAUGE # 48D Patterson Creek at Snoqualmie River Rd SE

Overall Index 56

King County samples for water quality on Patterson Creek near W Snoqualmie River Rd SE at station PATER_3. Sampling began at this station in 2011. Patterson Creek originates in several small lakes east of the town of Redmond. The creek flows south along HWY 202 and collects additional drainage from the Issaquah Highlands before flowing into the Snoqualmie River north of the town of Fall City. It drains approximately 12,800 acres. The upper reaches are experiencing rapid development, while the lower reaches flow through mostly agricultural areas. The creek is on Ecology's Category 4a list as part of the Snoqualmie River Watershed Multi-parameter and Temperature TMDLs.

Annual Water Quality Index Scores

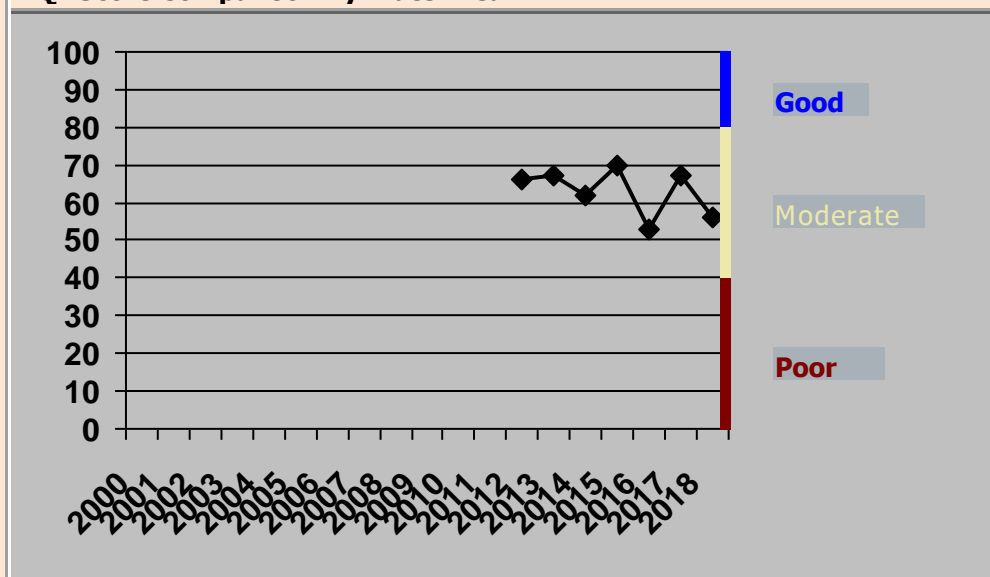
Water quality was MODERATE based on data collected 10/1/2017 to 9/30/2018.



Monthly Scores For Water Year 2018

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
44	74	90	85	94	92	51	85	87	86	89	79

WQI Score Comparison By Water Year



About The Water Quality Index:

The Water Quality Index (WQI) score is a unit-less number ranging from 10 to 100: the higher the number, the higher the water quality. Scores are calculated from data collected during the monthly routine sampling. For temperature, pH, fecal coliform bacteria, turbidity, and dissolved oxygen, the index expresses results relative to levels required to maintain beneficial uses according to criteria in Washington's Water Quality Standards, WAC 173-201A. For nutrient and sediment measures where there are no standard, results are expressed relative to guidelines for this eco-region. Results from the eight parameters are aggregated over time to produce a single score for each sample station. In general, stations scoring 80 and above did not fail water quality standards or guidelines and are of "low concern", scores 40 to 80 indicate "moderate concern", and water quality at stations with scores below 40 are of "high concern". For more information about the WQI please visit <https://green2.kingcounty.gov/streamsdata/WQI.aspx>

For more information about this creek please visit our website at <http://green.kingcounty.gov/WLR/Waterres/StreamsData/streamlist.aspx>